



## ETNA LANE OVER FALL CREEK TOWN OF DRYDEN, TOMPKINS COUNTY

BIN 3314180  
PIN 3756.53

### About the Project

The Etna Lane bridge crossing of Fall Creek (BIN 3314180) is located in the Town of Dryden, Tompkins County, NY. This project is being progressed by the Tompkins County Highway Department in coordination with the NYS Department of Transportation and the Federal Highway Administration as a BridgeNY project. The project is required in order to continue to provide a safe crossing over Fall Creek.

### What are the conditions like today?

Etna Lane connects Upper and Lower Creek Road (to the west) with NYS Route 366 (to the east). The existing bridge was constructed in 1960 and carries two lanes of traffic with a roadway width of 24 feet (10' lanes and 2' shoulders). The structure is a single 116-foot span consisting of steel through-girders carrying an open steel grate deck supported by concrete abutments. The bridge is posted for 15 tons.

The bridge deficiencies [exhibit A] include:

- Paint failure on the steel grate deck, bearings, and structural steel.
- Deterioration at the concrete substructure.
- Non-standard features including shoulder width and cross slope.
- Deterioration to the stringers and floor beams resulting in the posting of the bridge for 15 tons.
- Deterioration to the bearings including exposed elastomer, bent anchor bolts, and section loss of the steel plates.

### What is proposed?

Bridge replacement [exhibit B]. The new bridge will replace the existing bridge in the same location. The superstructure will have multiple steel girders and a cast-in-place concrete deck supported by integral abutments on piles. The bridge span will be increased to 138 feet which will open up the channel to improve hydraulics and better match the stream geometry. The bridge will carry two 10 foot lanes and two 4 foot shoulders for a rail-to-rail width of 28 feet. Approximately 350 feet of road reconstruction will be needed for this bridge replacement.

Two fee right-of-way acquisitions and two temporary easements will be required to allow for excavation and construction of bridge foundations and wingwalls, and installation of the stone bank protection along the waterway. The proposed ROW acquisitions and easements are shown on the plan. All other work will be contained within the existing highway boundary.

### What's happening during construction?

The work is planned to begin in the early summer of 2021 and take approximately 4 months to complete. Etna Lane Bridge, and intersection of Etna Lane with Upper Creek and Lower Creek Road will be closed to traffic for the duration of construction. Traffic will be maintained on an off-site detour, however access to the adjacent U.S. Postal Service Office and Etna Community Church will be maintained [exhibit C].

### What is the purpose of this page?

The project is in preliminary design. Tompkins County is requesting the local residents and individuals using Etna Lane provide their input and ask questions about the project. We request all comments to be submitted by May 22, 2020.

### Project Contact Information:

Project Sponsor & Owner:

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END APPROACH (LOOKING WEST)



UPPER CREEK RD INTERSECTION (LOOKING SOUTH)



DOWNSTREAM FASCIA (LOOKING NORTH)



BRIDGE BEARING OVER-EXTENSION AND CORROSION



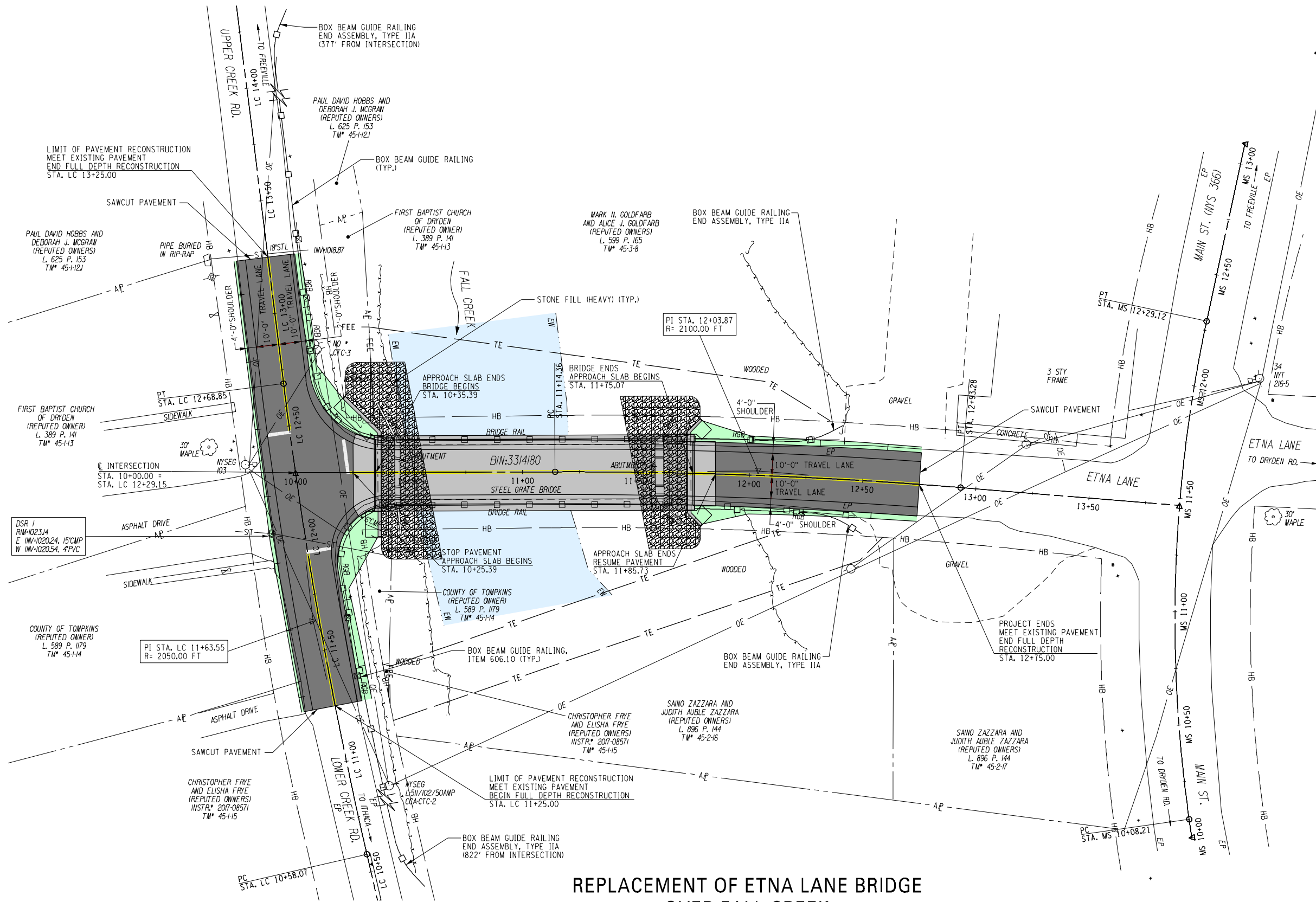
TYPICAL STRINGER SECTION LOSS AND CORROSION



CONCRETE ABUTMENT SPALLING AND BEARING AREA LOSS

REPLACEMENT OF ETNA LANE BRIDGE  
OVER FALL CREEK  
TOWN OF DRYDEN, TOMPKINS COUNTY  
P.I.N. 3756.53, B.I.N. 3314180



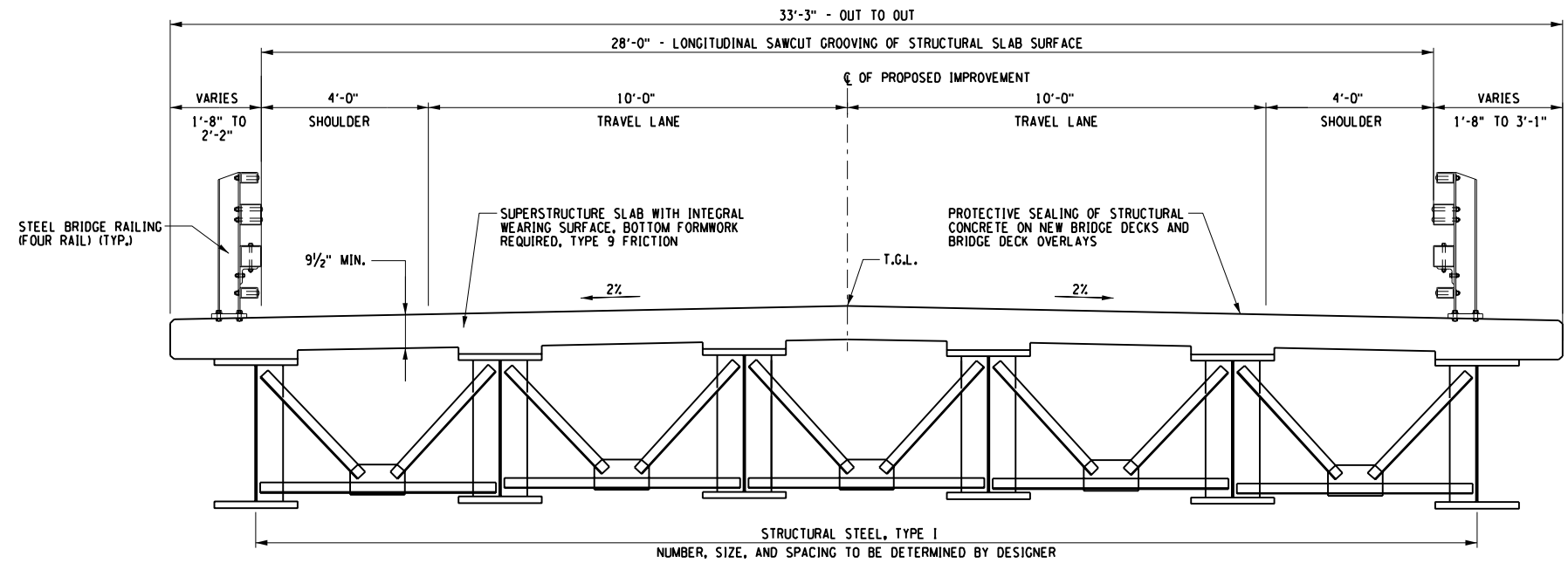


REPLACEMENT OF ETNA LANE BRIDGE  
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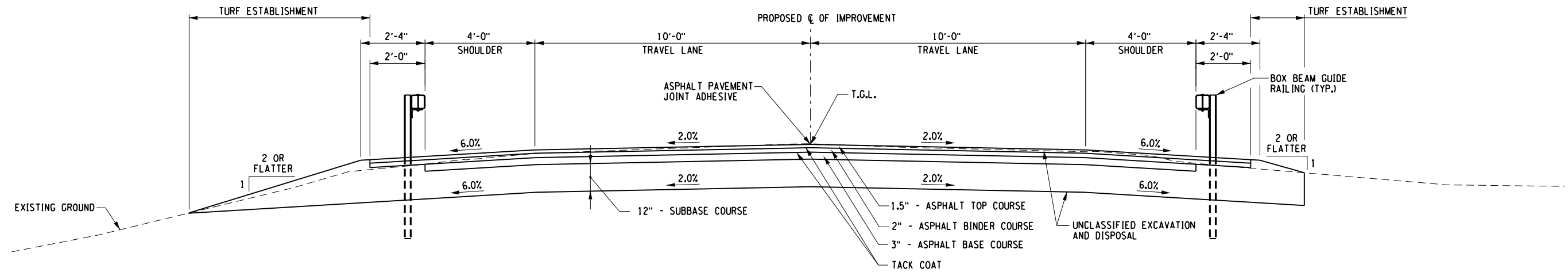


TOMPKINS COUNTY  
HIGHWAY DEPARTMENT





PROPOSED BRIDGE SECTION



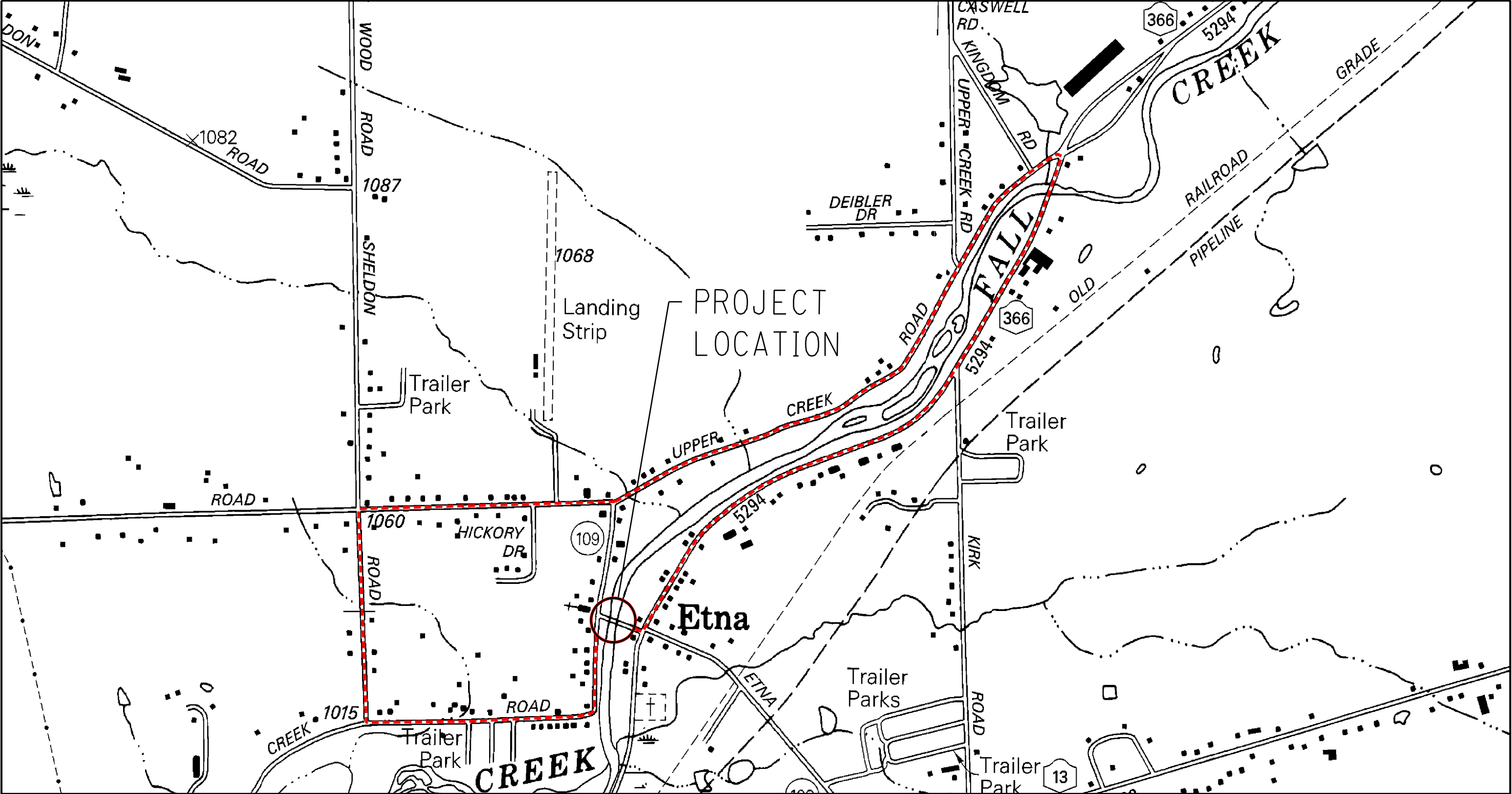
PROPOSED HIGHWAY SECTION

REPLACEMENT OF ETNA LANE BRIDGE  
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TOMPKINS COUNTY  
HIGHWAY DEPARTMENT





LEGEND:








--- DETOUR ROUTE

REPLACEMENT OF ETNA LANE BRIDGE  
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LEGEND:

-  - TEMPORARY DRIVEWAY
-  - CONSTRUCTION AREA
-  - TEMPORARY CONCRETE BARRIER
-  - SIGNS
-  - TYPE 'A' FLASHER LIGHTING FOR SIGNS
-  - TYPE III CONSTRUCTION BARRICADE WITH LIGHTING
- 



U.S. Department of Transportation  
**Federal Highway Administration**

Department of  
Transportation

**Barton  
& Loguidice**